

Isolation of Bone Marrow Derived Mesenchymal Stem Cells

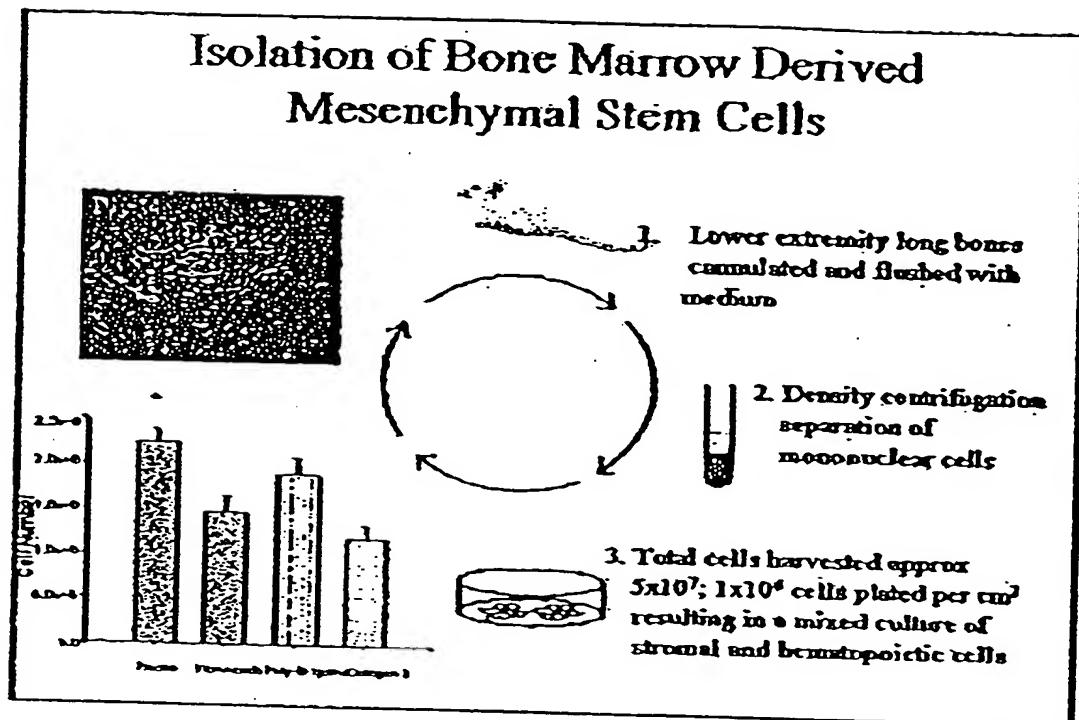


FIG. 1

Proliferation Characteristics of Bone Marrow Stromal Cells

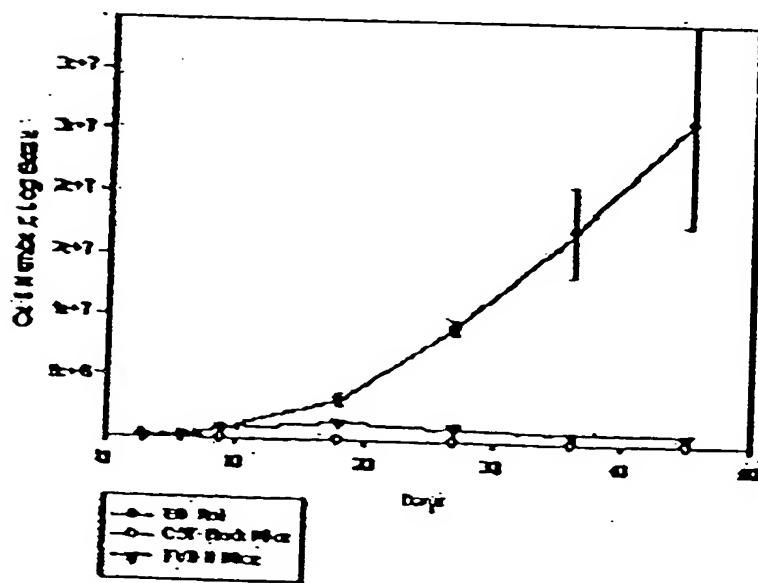


FIG. 2

FIG. 3

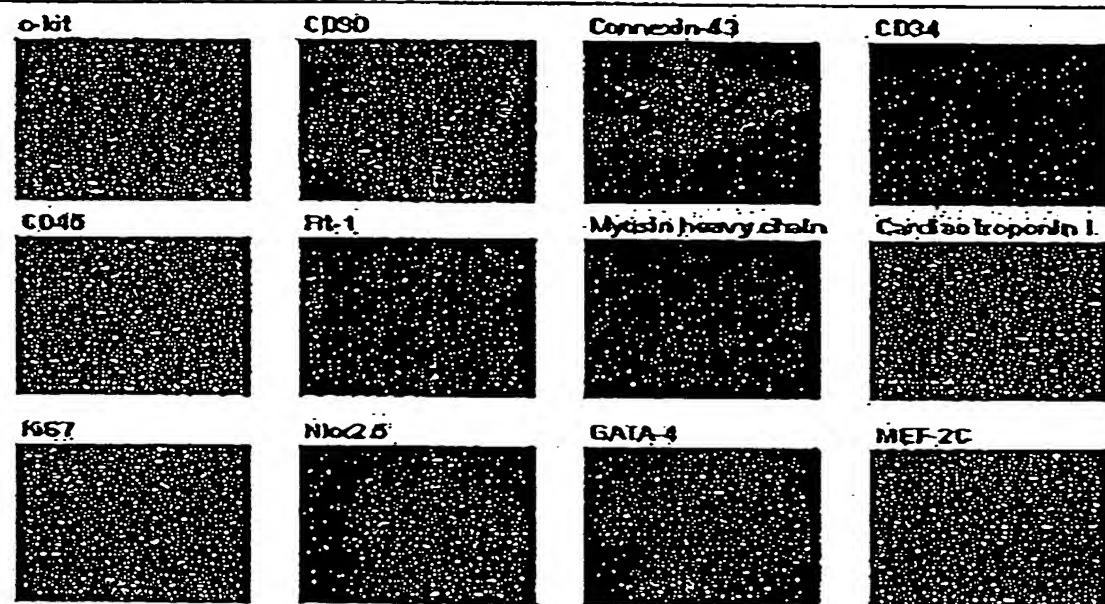
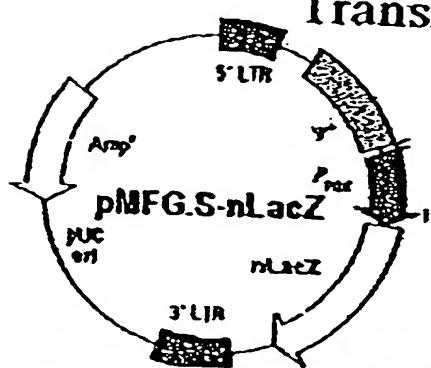


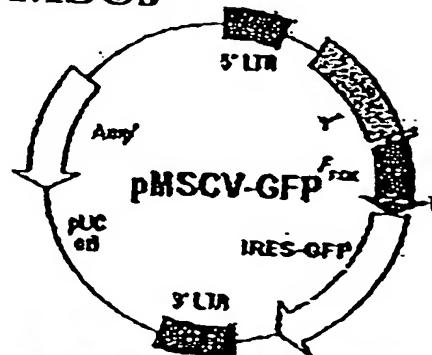
FIG. 4

High Efficiency Retroviral Gene Transfer to MSCs

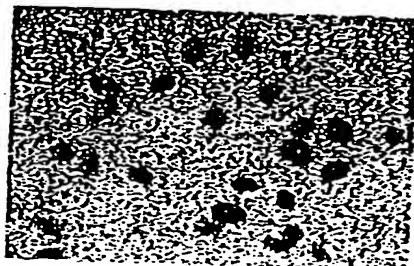
A.



C.



B.



D.

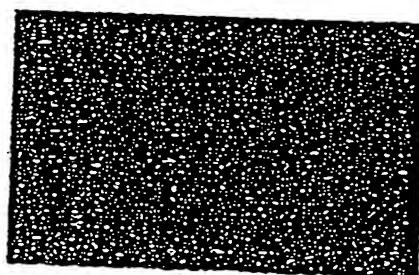


FIG. 5

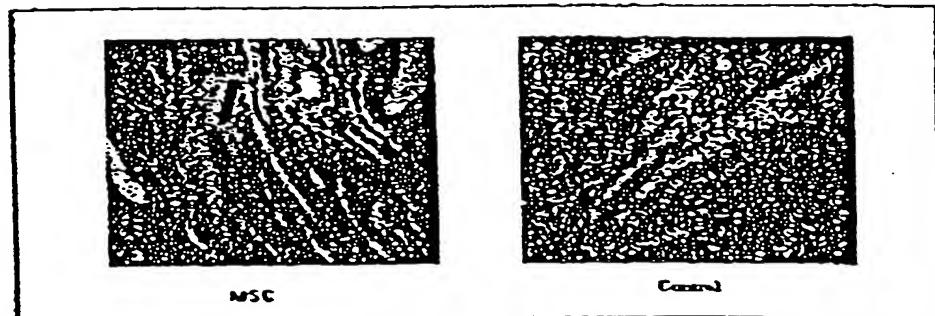


FIG. 6

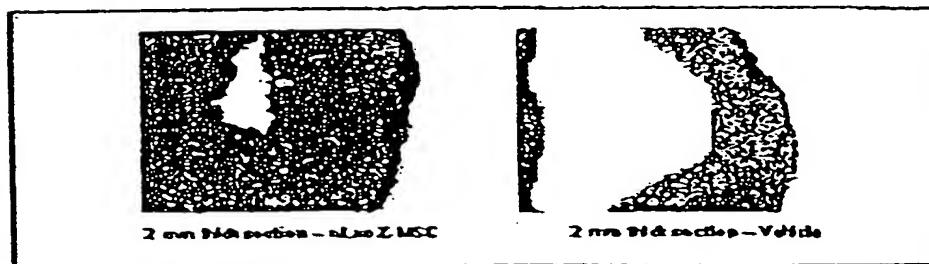


FIG. 7

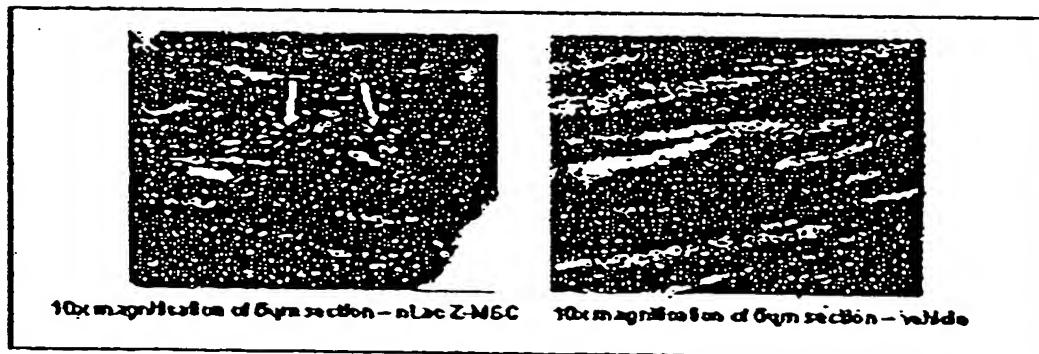


FIG. 8

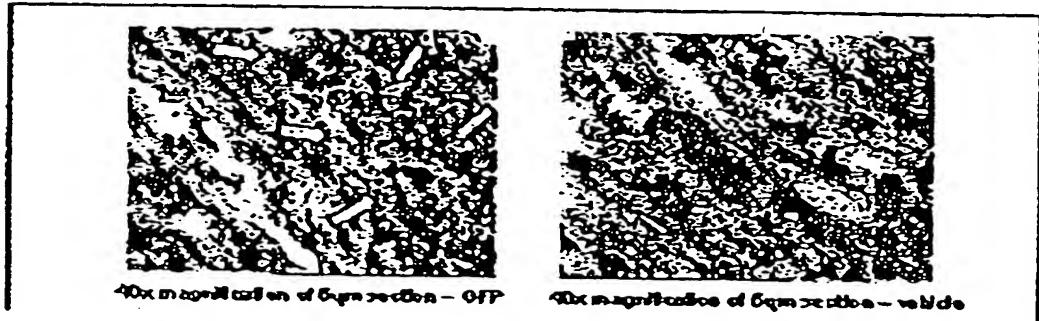


FIG. 9

FIG. 1D

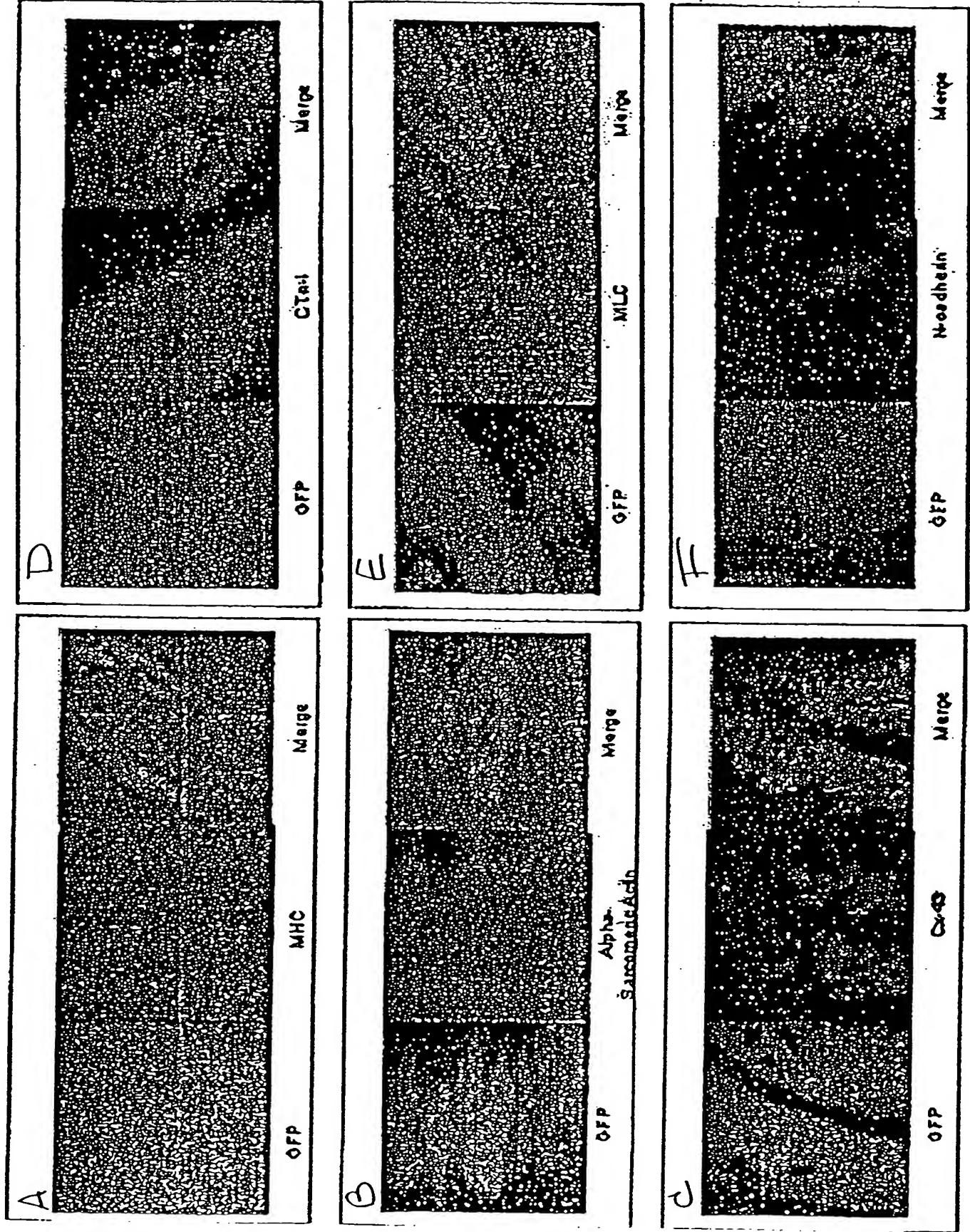


FIG. 11

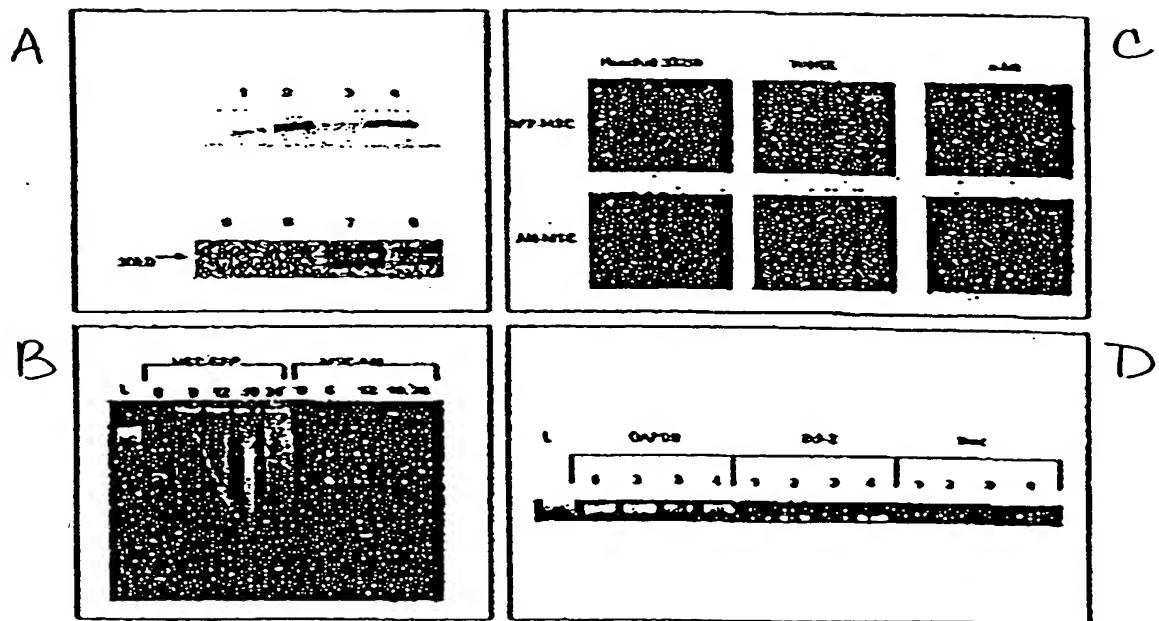


FIG. 12

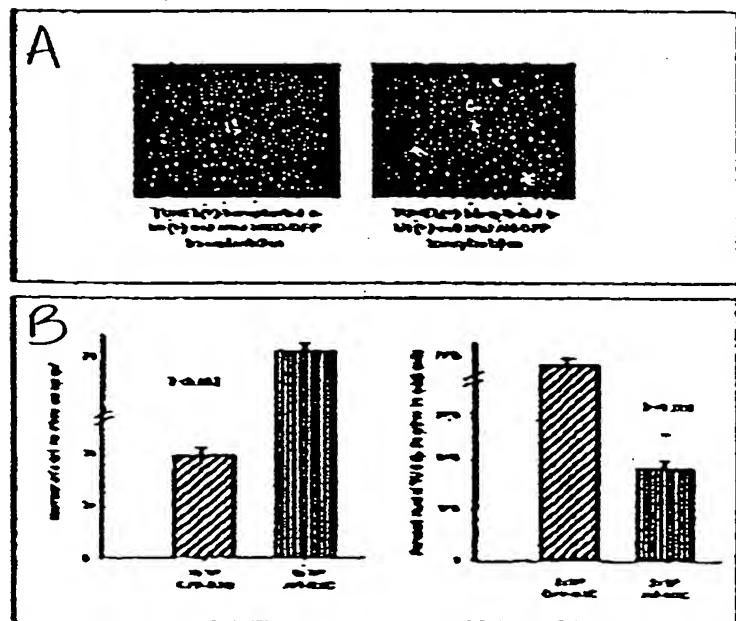


FIG. 13

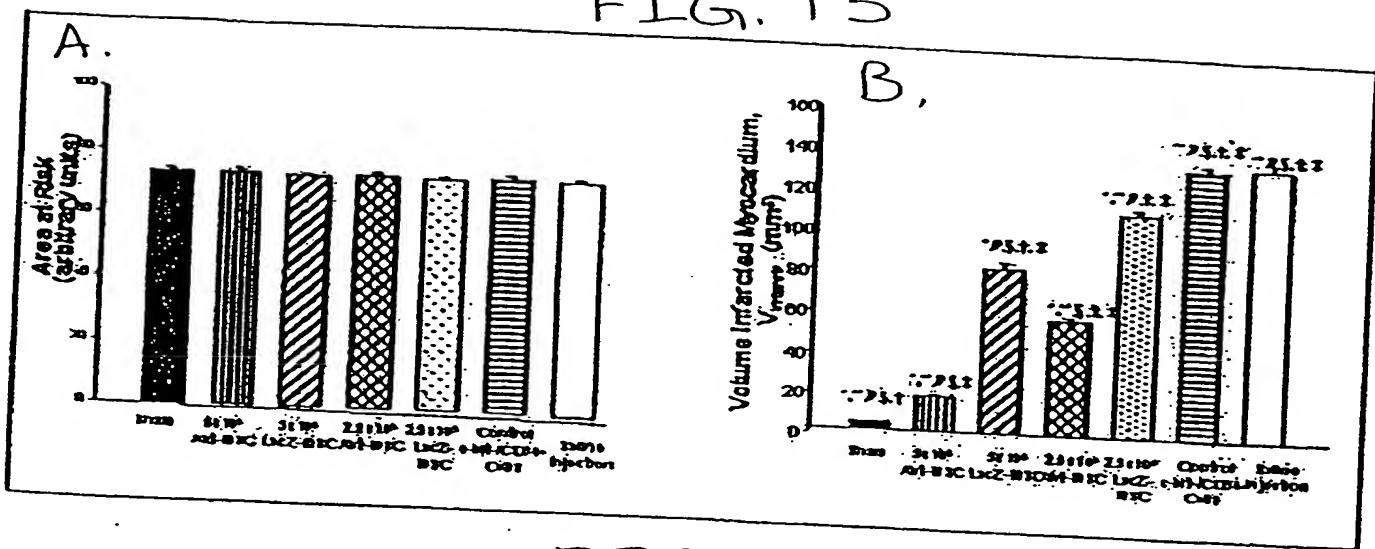


FIG. 14

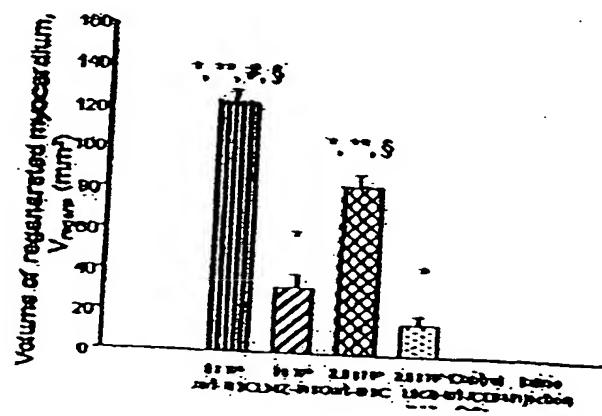
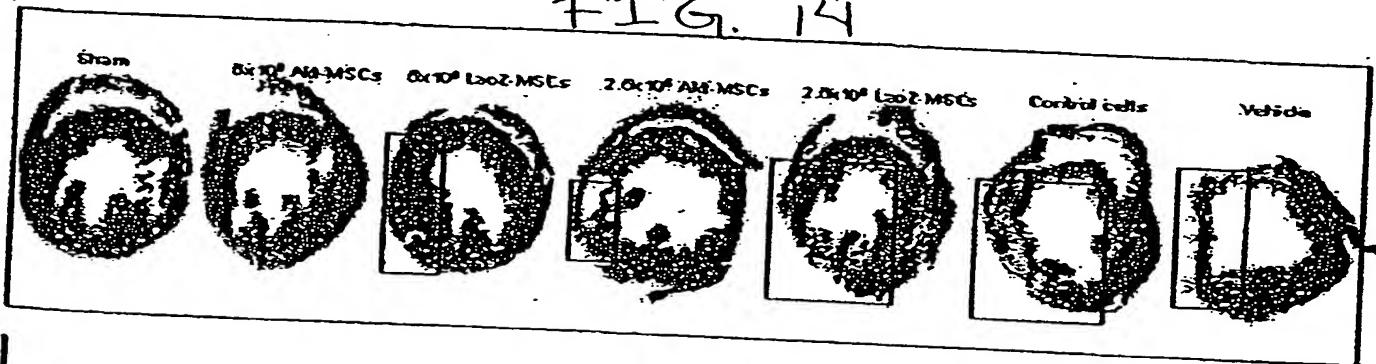
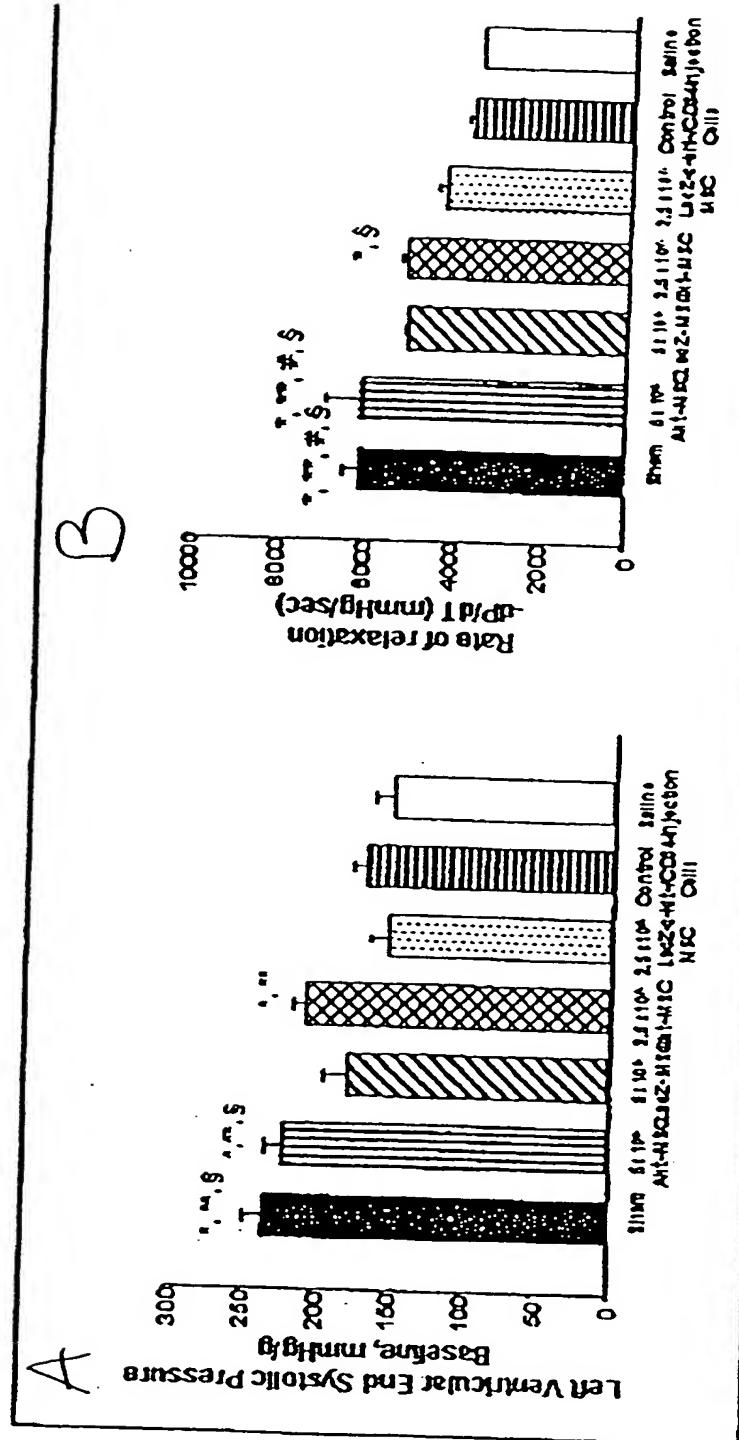


FIG. 15

FIG. 16



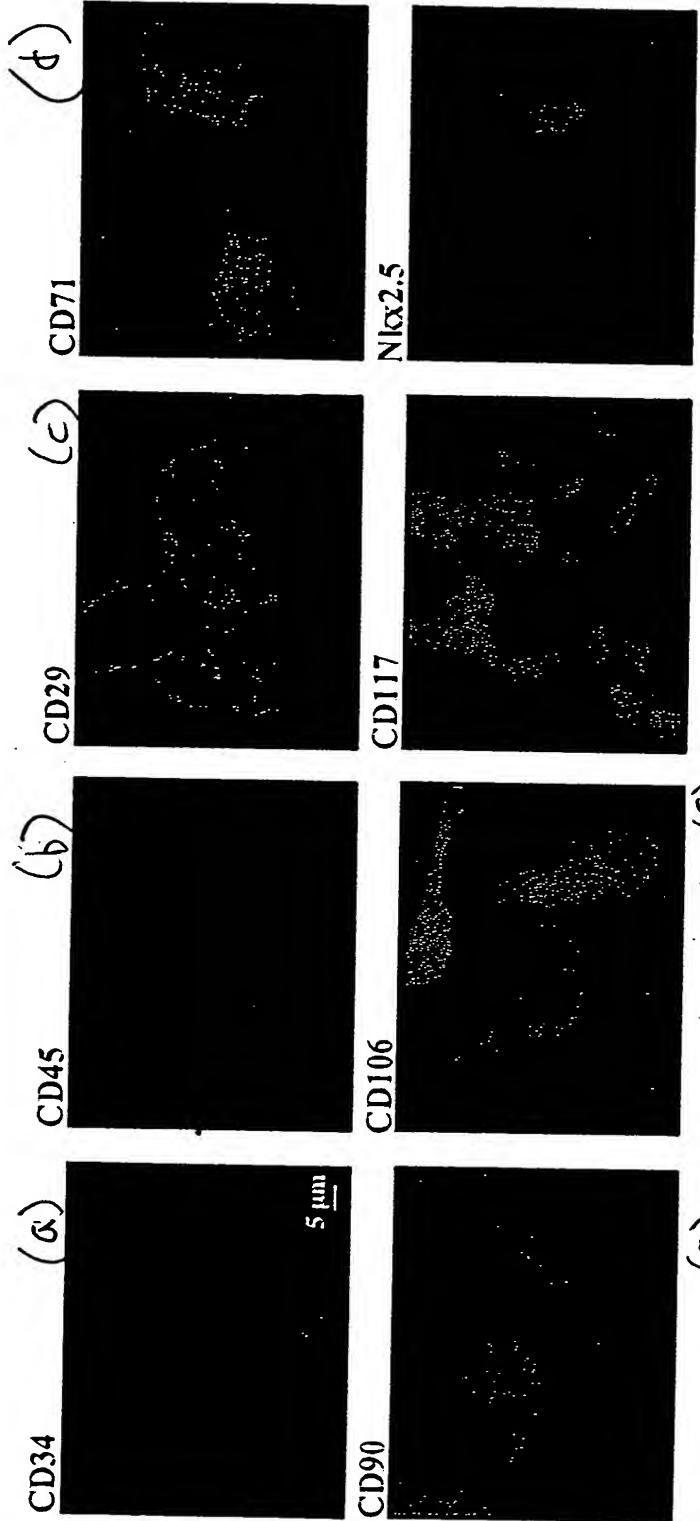
(h)

(g)

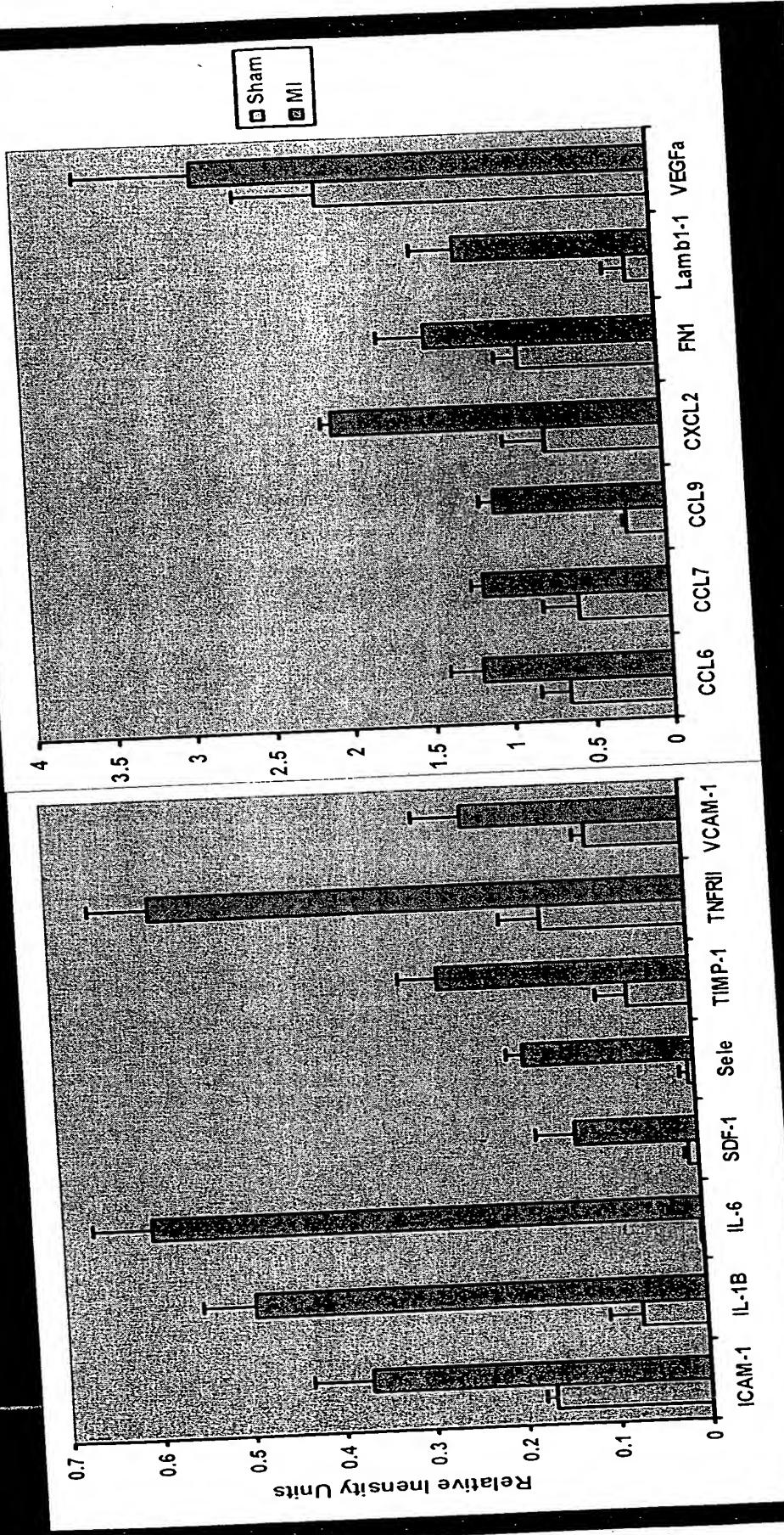
(f)

(e)

Fig. 17

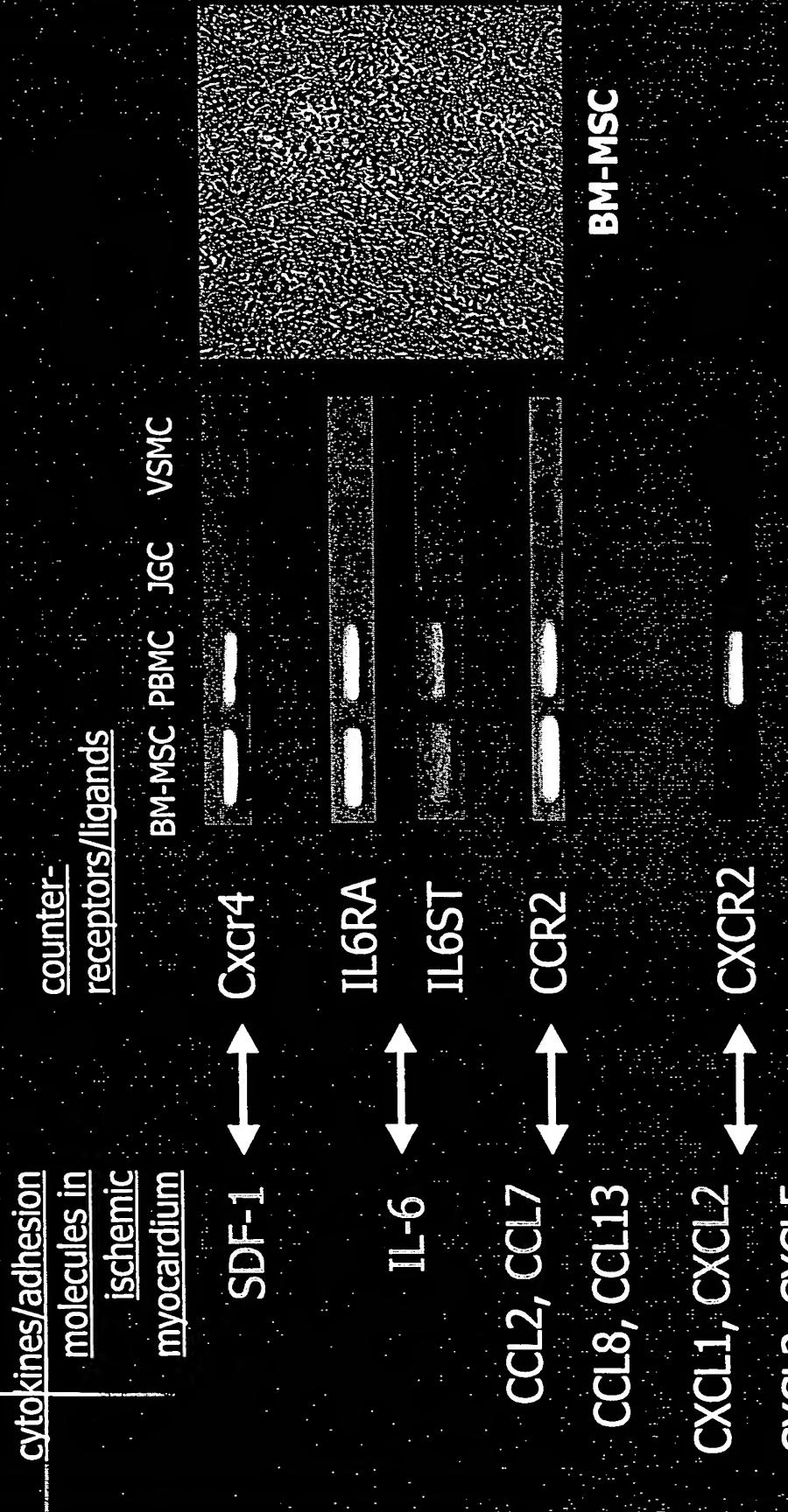


RT-PCR showing increased expression of genes in MI compared to Sham at 24 hours



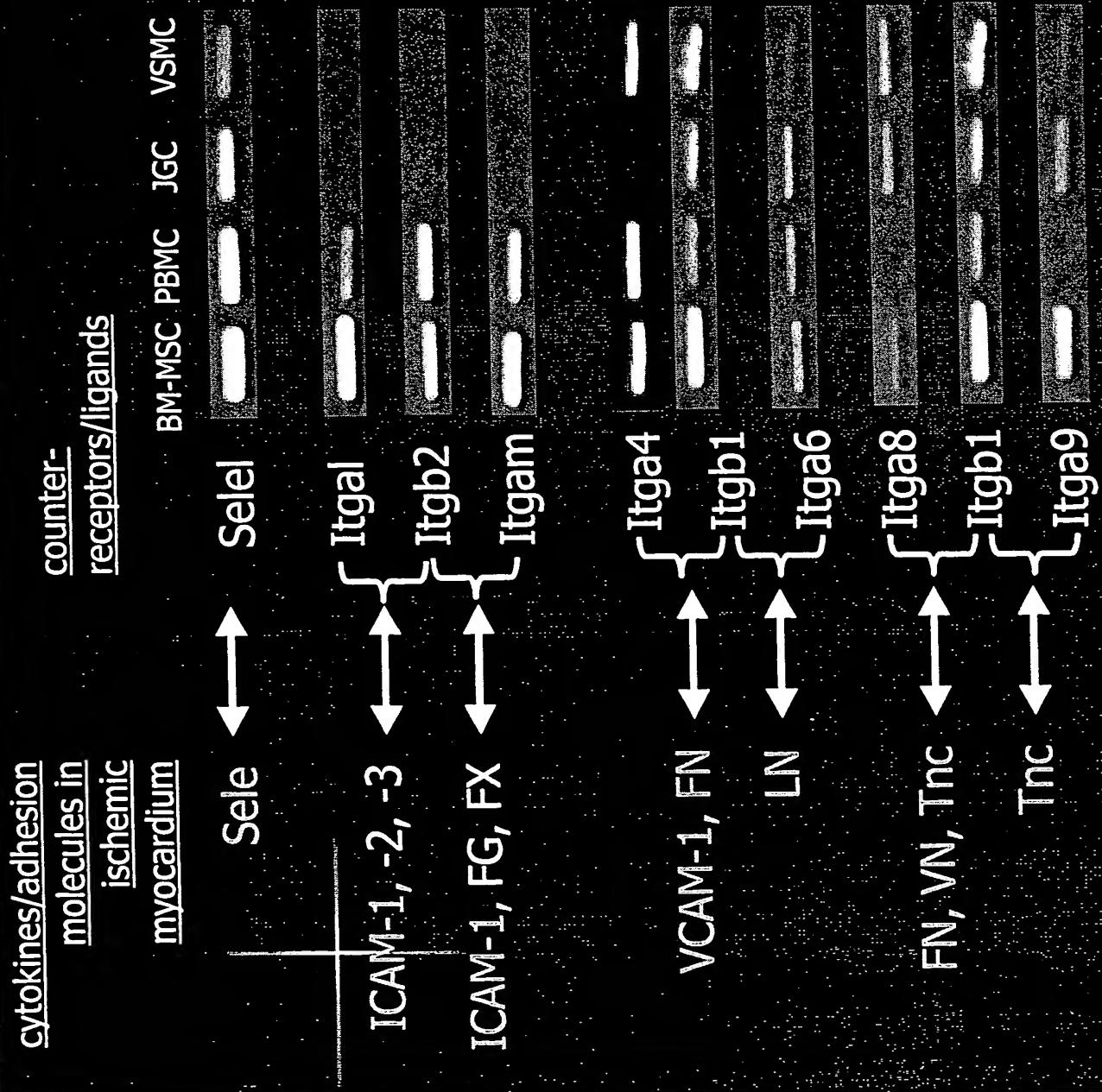
Figs 18A + B-

RT-PCR showing expression of receptors/ligands in BMSC (P1, passage 1; P6, passage 6), peripheral blood mononuclear cells (PBMC), juxtaglomerular cells (JGC), vascular smooth muscle cells (VSMC).



SDF1, stromal derived factor 1; Cxcr4, chemokine (C-X-C motif) receptor; IL6, interleukin 6; IL6RA, IL6 receptor, alpha; IL6ST, IL6 signal transducer; CC, chemokine (C-C motif); CXC, chemokine (C-X-C motif); CCR, CC receptor.

Fig 19 A-



Sele, selectin; endothelial cell; Sele ligand; VCAM1, vascular cell adhesion molecule 1; FN, fibronectin; VN, vitronectin; Tnc, tenascin; FG, fibrinogen; FX, factor X; Itg, integrin.